

B-200 (UC-12B) - LARC 01/29/21

Aircraft: [B-200 \(UC-12B\) - LARC](#) ([See full schedule](#))

Flight Number: Activate Flight 34

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 3 hours

Submitted by: Luke Delaney on 01/29/21

Flight Segments:

From:	KLFI	To:	KLFI
Start:	01/29/21 07:55 Z	Finish:	01/29/21 10:55 Z
Flight Time:	3 hours		
Log Number:	21B005	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
Purpose of Flight:	Science		
Miles Flown:	700 miles		
Comments:	First science flight for the UC-12 in support of ACTIVATE Campaign #3. This event also served as a continued instrument calibration flight to validate the system functionality. It was conducted solo (independent of the HU-25), although the same geographic region was covered during both sorties. The weather was clear with a broken/overcast layer at approximately 4000 ft, and a predominant wind from the northwest at 130 knots. Data was collected at 27000 ft MSL for most of the flight, and a descent to 26000 ft MSL was conducted at the end of collection effort to verify some instrument parameters. Two dropsondes were deployed, one near OXANA and the other midway down track (ECG - OXANA). All objectives were achieved and no system discrepancies were noted, pending post-flight data analysis.		

Flight Hour Summary:

	21B005
Flight Hours Approved in SOFRS	200
Total Used	51.3
Total Remaining	148.7

21B005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
01/20/21	Activate Flight 33	Science	3	3	197	600
01/29/21	Activate Flight 34	Science	3	6	194	700
02/03/21	Activate Flight 35	Science	3.3	9.3	190.7	700
02/10/21	Activate Flight 36	Science	3.7	13	187	670
02/20/21	Activate Flight 37 (Researcher #46)	Science	3.3	16.3	183.7	600
02/21/21	Activate Flight 38 (Researcher #47)	Science	4	20.3	179.7	650
03/04/21	Activate Flight 39 (Researcher #48)	Science	3.1	23.4	176.6	620
03/05/21	Activate Flight 40 (Researcher #49)	Science	3.5	26.9	173.1	706
03/05/21	Activate Flight 41 (Researcher #50)	Science	3.3	30.2	169.8	650
03/08/21	Activate Flight 42 (Researcher #51)	Science	3.3	33.5	166.5	680
03/09/21	Activate Flight 42 (Researcher #51)	Science	3.4	36.9	163.1	708
03/12/21	Activate Flight 42 (Researcher #51)	Science	3.4	40.3	159.7	700

03/12/21	Activate Flight 42(Researcher #51)	Science	3.5	43.8	156.2	700
03/20/21	Activate Flight 43 (Researcher #52)	Science	3.4	47.2	152.8	705
03/23/21	Activate Flight 43 (Researcher #52)	Science	4.1	51.3	148.7	704

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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